CLEAN COPY OF NEW AND AMENDED CLAIMS

Claims 1, 2, and 13 are amended, as follows:

- 1 (Amended) A process for forming an extended polyalkylene-grafted interpolymer or gel, comprising:
 - a) in a mixer, mixing
 - a polymer comprising mer units derived from maleic anhydride and mer units derived from at least one of
 - (A) a vinyl aromatic monomer, and
 - (B) an R¹(R²)ethylene monomer in which R¹ and R² independently are selected from H and substituted or unsubstituted C₁-C₂₀ alkyl or alkoxyl groups, and
 - 2) a maleated polyalkylene, so as to form a blend;
- b) in said mixer, adding to said blend a diamine and allowing it to react with the mer units derived from maleic anhydride and with the maleated polyalkylene to form a polyalkylene grafted interpolymer; and
- c) allowing the polyalkylene-grafted interpolymer to cool in said mixer and, without removing the interpolymer from the mixer, adding an extender to provide said extended polyalkylene-grafted interpolymer; and
- d) optionally, extruding the extended polyalkylene-grafted interpolymer to form a gel having a tan δ of at least 0.3.
- 2. (Amended) The process of claim 1 wherein step a) includes mixing from about 50 to about 99 weight % of said polymer and from about 1 to about 50 weight % of said maleated polyalkylene and wherein step b) includes adding from about 0.1 to about 10 weight % of said diamine.
- 13. (Amended) A single batch process for preparing a polymer composition which includes a polyalkylene-grafted interpolymer, said process comprising:

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- a) forming a maleimide interpolymer in a mixing vessel by reacting an amine with a portion of maleic anhydride-derived mer units of an interpolymer comprising maleic anhydride-derived mer units and at least one of
 - 1) vinyl aromatic-derived mer units, and
 - 2) R¹(R²)ethylene-derived mer units in which R¹ and R²
- independently are H or substituted or unsubstituted C₁ to C₂₀ alkyl groups or alkoxyl groups;

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- b) without removing the product of step a) from the mixing vessel, adding sufficient maleated polyalkylene such that the mixing vessel contains from about 1 to about 50 weight percent maleated polyalkylene and from about 50 to about 99 weight percent maleimide interpolymer;
- c) mixing from about 0.1 to about 10 weight % of a diamine with the maleimide interpolymer and maleated polyalkylene in the mixing vessel to form said polyalkylene-grafted interpolymer; and
- d) without removing the product of step c) from the vessel, cooling the polyalkylene-grafted interpolymer in the mixer to a temperature at which an extender is stable in the polyalkylene-grafted interpolymer, and adding an extender to the mixer.

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